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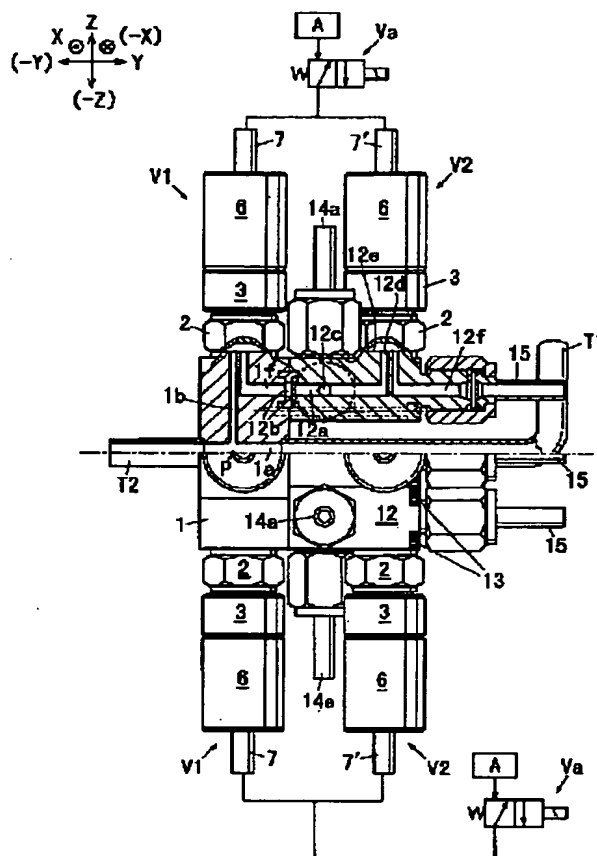
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TITLE : GAS MIXING APPARATUS AND GAS
MIXING BLOCK



ABSTRACT : PROBLEM TO BE SOLVED: To evenly mix a plurality of reaction gases with a carrier gas.

SOLUTION: This gas mixing apparatus is provided with a plurality of respective reaction gas communication routes 1b for leading a plurality of different reaction gases to carrier gas flow routes 1a from a plurality of reaction gas supply routes 1f for supplying a plurality of the different reaction gases to the carrier gas flow routes 1a, switching valves V1 installed respectively in the respective reaction gas communication routes 1b and made movable between the communication positions where the reaction gases supplied through the reaction gas supply routes 1f are led to the carrier gas flow routes 1a and the shutting positions where the flow of the reaction gases is stopped, and switching valves 1 so installed as to make the following lengths equal: the length of a plurality of the reaction gas communication routes 1b connected to the carrier gas flow routes 1a to lead the reaction gases toward a mixing position P set on the center line of the carrier gas flow route 1a and the length of the flow routes between the switching valves V1 along the respective reaction gas communication route 1b and the mixing position P.

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